

LITERATURE NOTICE

A REVISION OF THE GENUS ZARHIPIS LECONTE (COLEOPTERA:PHENOGIDAE). By D. D. Linsdale. *Wasemann Jour. Biol.* 22(2):225-260, 3 figs. 1964.—The number of species is reduced from eight to three. All occur in western North America. The revision is based on males.

SEXUAL BEHAVIOR IN BLISTER BEETLES (COLEOPTERA:MELOIDAE). I. THE GENUS PYROTA. By R. B. Selander. *Canadian Ent.* 96(8):1037-1082, 31 figs. 1964.—Courtship patterns and methods of coupling are rarely studied in the Coleoptera. Here they are described and used in the classification of both higher and lower taxa.

A COMPARATIVE ACCOUNT OF THE FEEDING METHODS OF THE BEETLES NEBRIA BREVICOLLIS (F.) (CARABIDAE) AND PHILONOTHUS DECORUS (GRAV.) (STAPHYLINIDAE). By M. E. G. Evans. *Trans. Roy. Soc. Edinburgh* 66(5):91-109, 18 figs. 1964. THE FEEDING METHOD OF CICINDELA HYBRIDA L. (COLEOPTERA:CICINDELIDAE). By M. E. G. Evans, *Proc. Ent. Soc. London* 40(4-6):61-66, 6 figs. 1965.—These are detailed accounts of chewing, swallowing, filtering, regurgitation, and internal and external digestion; only the parts anterior to the mid-gut are discussed. The works are 'musts' for students of predaceous beetles. They are morphology at its finest.

THE TYPE MATERIAL OF I. C. FABRICIUS. By Ella Zimsen. *Munksgaard*, Copenhagen. 656 pp., 1 pl. 1964.—Includes 4112 beetle species names with literature citations, number of specimens, their museum locations, and occasionally other notations. A good introduction on the life of Fabricius, the Fabrician collection, and other collections are most helpful.

KLUCZE DO OZNACZANIA OWAKOW POLSKI, XIX—COLEOPTERA, 98a—CURCULIONIDAE: APIONINAE. By S. Smreczynski. *Polski Zwiazek Entomologiczny*, Nr. 45 serii kluczy, pp. 1-80, 157 figs. 1965.—This is the latest in the series of keys to the insects of Poland. It contains a key to the subfamilies of the Curculionidae, a description of the subfamily Apioninae, keys to the subgenera and species of *Apion*, and short notes on the habits and distribution of each species. Previously published parts in this Polish series treated the beetle families Catopidae, Silphidae, Bostrichidae, Lyctidae, Lymexylonidae, Byrrhidae, Nosodendridae, Dermestidae, Coccinellidae, Pyrochroidae, Scolytidae, and Platypodidae.

A REVISION OF THE GENUS TRICORYNUS OF NORTH AMERICA (COLEOPTERA: ANOBIIDAE). By R. E. White. *Misc. Publ. Ent. Soc. Amer.* 4(7):283-368, 153 figs. 1965.—This genus, formerly known as *Catorama*, now contains in North America 82 species, with 25 of them being new. Almost all species are placed in 15 species groups. Keys, descriptions, illustrations, and biological notes make up this long needed revision.

ILLUSTRATED INSECT LARVAE OF JAPAN. Edited by T. Esaki, T. Kawada, N. Yuasa, N. Ishii, and T. Motoki. *Hokuryukan Co. Ltd.*, Tokyo. 774 pp., 1307 figs., 4 pls. 1959.—This manual is seldom cited in literature even though it has been in existence for six years. It consists of good illustrations of whole larvae and often parts of larvae with a description of each in Japanese. The section on Coleoptera, pages 392-545, is authored by A. Fukuda, K. Kurosa, and N. Hayashi. Larvae of 298 species of beetles are treated, some for the first time.